

QCD Paper of the Week

● QCD Papers of the Week

- ◆ [hep-ph/0110215](#), MRST20001: partons and α_s from precise deep inelastic scattering and Tevatron jet data, A. Martin, R. Roberts, W. J. Stirling, R. Thorne; new MRST pdf's that for the first time include Tevatron jet data in the fit; conclusion is that uncertainties due to gluon distribution are small; stay tuned for results of new CTEQ/MSU analysis.
- ◆ [hep-ph/0110315](#), Three-jet cross sections in hadron-hadron collisions at NLO, Zoltan Nagy; a new QCD event generator for three-jet cross sections at NLO accuracy; seems to be fast than the Giele-Kilgore code

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- ◆ [hep-ph/0110378](#), PDF Uncertainties in WH production at the Tevatron, P. Nadolsky, Z. Sullivan; CTEQ5 pdf uncertainty sets are used to determine the uncertainty for $WH \rightarrow b\bar{b}$ + backgrounds at the Tevatron